

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Package No. 04 (Consists of 3 Works).

MODIFIED SCHEDULE - B

Item No	Description of Work	Unit	Total Quantity as per Modified	Rate as per estimate in Rs.	
				In Figures	In Words
1	Removing and resetting of footpath slab	Sqm	12779.85	271.37	Rupees Two Hundred Seventy One And Paise Thirty Seven Only
2	Removing and resetting of kerb stones	M	2882.00	136.26	Rupees One Hundred Thirty Six And Paise Twenty Six Only
3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead By Mechanical Means - Cement Concrete Grade M-15 & M-20	Cum	124.44	1017.36	Rupees One Thousand Seventeen And Paise Thirty Six Only
4	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work.	Cum	8597.90	351.05	Rupees Three Hundred Fifty One And Paise Five Only
5	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates	Cum	105.78	6413.65	Rupees Six Thousand Four Hundred Thirteen And Paise Sixty Five Only
	Qty Above 125%	Cum	30.95	6413.65	Rupees Six Thousand Four Hundred Thirteen And Paise Sixty Five Only

Item No	Description of Work	Unit	Total Quantity as per Modified	Rate as per estimate in ₹	
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6	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	226.48 ✓	7236.31 ✓	Rupees Seven Thousand Two Hundred Thirty Six And Paise Thirty One Only
7	Supplying, Fitting and Placing TMT bar Fe 550 Reinforcement in sub-structure complete as per Drawing and Technical Specifications.	T	18.12 ✓	106436.07 ✓	Rupees One Lakh(s) Six Thousand Four Hundred Thirty Six And Paise Seven Only
8	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	70.45 ✓	6180.38 ✓	Rupees Six Thousand One Hundred Eighty And Paise Thirty Eight Only
9	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.)	Sqm	131.78 ✓	229.80 ✓	Rupees Two Hundred Twenty Nine And Paise Eighty Only
10	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	0.00 ✓	1225.22 ✓	Rupees One Thousand Two Hundred Twenty Five And Paise Twenty Two Only
11	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates	Cum	14.59 ✓	6614.58 ✓	Rupees Six Thousand Six Hundred Fourteen And Paise Fifty Eight Only

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12	Providing and fixing precast reinforced cement concrete covering slabs of 10 cm thick made of M20 with OPC cement, with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Including providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.	Sqm	3830.99 ✓	2175.19 ✓	Rupees Two Thousand One Hundred Seventy Five And Paise Nineteen Only
13	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.	Sqm	303.68 ✓	5287.84 ✓	Rupees Five Thousand Two Hundred Eighty Seven And Paise Eighty Four Only
14	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc., complete as directed by the Engineer in Charge of the work.	M	1617.00 ✓	532.25 ✓	Rupees Five Hundred Thirty Two And Paise Twenty Five Only
15	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	2242.00 ✓	98.16 ✓	Rupees Ninety Eight And Paise Sixteen Only
16	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work	Cum	1300.85 ✓	75.06 ✓	Rupees Seventy Five And Paise Six Only
	Qty Above 125%	Cum	2432.46 ✓	75.06 ✓	Rupees Seventy Five And Paise Six Only
17	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Plant Mix Method	Cum	995.23 ✓	2764.54 ✓	Rupees Two Thousand Seven Hundred Sixty Four And Paise Fifty Four Only

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	Qty Above 125%	Cum	2738.08 ✓	2764.54 ✓	Rupees Two Thousand Seven Hundred Sixty Four And Paise Fifty Four Only
18	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70 kg per m2 using mechanical means.	Sqm	4976.14 ✓	48.50 ✓	Rupees Forty Eight And Paise Fifty Only
	Qty Above 125%	Sqm	9831.93 ✓	48.50 ✓	Rupees Forty Eight And Paise Fifty Only
19	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.	Sqm	57193.35 ✓	13.86 ✓	Rupees Thirteen And Paise Eighty Six Only
20	Dense Graded Bituminous Macadam Grading - II for traffic < 20 MSA Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects	Cum	740.40 ✓	10553.53 ✓	Rupees Ten Thousand Five Hundred Fifty Three And Paise Fifty Three Only
21	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects	Cum	2300.83 ✓	12253.37 ✓	Rupees Twelve Thousand Two Hundred Fifty Three And Paise Thirty Seven Only
22	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse aggregates	Cum	0.00 ✓	5611.08 ✓	Rupees Five Thousand Six Hundred Eleven And Paise Eight Only

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23	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14-days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work	Cum	0.00	7519.93	Rupees Seven Thousand Five Hundred Nineteen And Paise Ninety Three Only
24	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes	Sqm	1950.20	551.98	Rupees Five Hundred Fifty One And Paise Ninety Eight Only
25	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	T.Km	15783.95	110.86	Rupees One Hundred Ten And Paise Eighty Six Only


Signature of the Contractor


Executive Engineer
Byatarayanapura Division
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